Rec'd T/PTG 03 DEC 2004

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	/Form PCT/ISA/2	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
EL/2-22695/CGC 2119	ACTION	20, as we as, where applicable, new o science.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 03/05698	30/05/2003	06/06/2002
Applicant		
OTDA ODGOTAL TV GUENTGALS I	UOLDING INC	
CIBA SPECIALTY CHEMICALS I	10LDING INC.	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Authorsmitted to the International Bureau.	ority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this r	report.
Basis of the report		
 a. With regard to the language, the language in which it was filed, unlended 	international search was carried out on the basi ess otherwise indicated under this item.	s of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	e international application furnished to this
, , , , , , , , , , , , , , , , , , , ,	d/or amino acid sequence disclosed in the inte	ernational application, the international search
	nal application in written form.	
filed together with the inte	rnational application in computer readable form	
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
the statement that the sub international application as	sequently furnished written sequence listing do s filed has been furnished.	es not go beyond the disclosure in the
the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been
2. X Certain claims were four	nd unsearchable (See Box I).	
3. X Unity of invention is lack	dng (see Box II).	
4. With regard to the title,		
X the text is approved as sul	omitted by the applicant.	
the text has been establish	hed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as sul		
the text has been establish within one month from the	hed, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	as it appears in Box III. The applicant may, in, submit comments to this Authority.
6. The figure of the drawings to be public	shed with the abstract is Figure No.	
as suggested by the applic	cant.	X None of the figures.
because the applicant faile	ed to suggest a figure.	
because this figure better	characterizes the invention.	

INTERNATIONAL SEARCH REPORT

International application No. PCT/EP 03/05698

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Claims Nos.: - because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: SEE FURTHER INFORMATION sheet PCT/ISA/210
, —	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Intern	national Searching Authority found multiple inventions in this international application, as follows:
;	see additional sheet
1. A	s all required additional search fees were timely paid by the applicant, this International Search Report covers all earchable claims.
2. A	s all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
3. As	s only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
4. X No	o required additional search fees were timely paid by the applicant. Consequently, this International Search Report is stricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 (part), 2 (part), 3 (part), 5 (part), 7, 10 (part)
Remark on	Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: -

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of claim 10 may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of claim 10 is impossible. Consequently, in case of claim 10 the search has been restricted to 2H-benzotriazoles of formula (I) comprised in an electroluminescent device.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1 (part), 2 (part), 3 (part), 5 (part), 7, 10 (part)

An electroluminescent device, comprising a 2H-benzotriazole compound of the formula (II) and the compound of the formula (II).

An electroluminescent device, comprising a 2H-benzotriazole compound of the formula (III), (V), (VI) and a 2H-benzotriazole compound of the formula (III), (V), (VI).

3. claims: 1 (part), 2 (part), 4, 5 (part), 6 (part), 10 (part)

An electroluminescent device, comprising a 2H-benzotriazole compound of the formula (IV) and a 2H-benzotriazole compound of the formula (IV).

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H05B33/14 H01L51/20

C09K11/06

C07D403/10

C07D405/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H05B H01L C09K C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 866 110 A (TOYO INK MFG CO) 23 September 1998 (1998-09-23) cited in the application * Table 3, page 38, compound 41 *	1,2,10
A	* the entire document *	3,5,7
X	US 5 104 740 A (SHINKAI MASANAO ET AL) 14 April 1992 (1992-04-14) cited in the application * column 10, compound No. 90 *	1-3,10
A	* the entire document *	5,7
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 040355 A (TOYO INK MFG CO LTD), 12 February 1999 (1999-02-12) * page 18, compound No. 66, abstract *	1,2,10

	-/
X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
9 September 2003	17. 11. 03
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Nemes, C.

International Application No PCT/EP 03/05698

3,10 3,10
3,10
3,10
,10

International Application No

Information on patent family members

PCT/EP 03/05698

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0866110 A	23-09-1998	JP 10251633 A EP 0866110 A1 EP 0934992 A1 US 6280859 B1 US 2001033944 A1	22-09-1998 23-09-1998 11-08-1999 28-08-2001 25-10-2001
US 5104740 A	14-04-1992	JP 3000792 A JP 5029675 B	07-01-1991 06-05-1993
JP 11040355 A	12-02-1999	NONE	
US 5518824 A	21-05-1996	DE 4325885 A1 CN 1103230 A DE 59407212 D1 EP 0637899 A1 ES 2122108 T3 JP 7114987 A	09-02-1995 31-05-1995 10-12-1998 08-02-1995 16-12-1998 02-05-1995
EP 0764712 A	26-03-1997	DE 19535063 A1 CA 2185878 A1 CN 1159131 A EP 0764712 A2 JP 9125054 A	27-03-1997 22-03-1997 10-09-1997 26-03-1997 13-05-1997
US 5629389 A	13-05-1997	JP 9106889 A	22-04-1997